

**METHODS OF MAKING FOAMED MATERIALS OF BLENDED
THERMOPLASTIC POLYMERS USING CARBON DIOXIDE**

Abstract of the Disclosure

- 5 A method of producing a foamed material comprises contacting a mixture comprising a first thermoplastic polymer and a second thermoplastic polymer with a blowing agent, wherein the first thermoplastic polymer has a higher percent crystallinity than the second thermoplastic polymer; and
- 10 subjecting the mixture to conditions sufficient to create a thermodynamic instability in the blend foam the mixture, wherein the mixture comprising the first and second thermoplastic polymers has a percent crystallinity lower than the first thermoplastic polymer.

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